

Kelpak®

Biostimulants & Quality Improvement

Use

To enhance root growth which improves crop establishment leading to higher yield and better quality. Kelpak helps to increase plant tolerance to abiotic stress and improves pollen germination, pollen tube growth, fertilisation and fruit set.

Crops

All agricultural crops.

Pack Size

5, 20, 25, 1050 litres

Function of Kelpak®

Kelpak is a kelp concentrate which is manufactured using a unique cell-burst process without heat, chemical digestion or dehydration. This patented process ensures maximum retention of the delicate growth promoting substances found in this species of kelp. Kelpak also contains a wide range of nutrients, vitamins and amino acids.

The combination of natural active compounds impact upon plants in different ways according to the plant growth stage and condition. Phlorotannins improve root growth; polyamines help to reduce the impact and symptoms of abiotic stress and both promote pollen tube elongation resulting in better fruit set.



Composition

Kelpak contains amino acids, carbohydrates, phlorotannins, polyamines and vitamins

Typical Analysis (per litre)

Nutrients

Nitrogen	3.6g	Phosphorus	8.2g	Potassium	7.2g
Magnesium	0.2g	Calcium	0.8g		
Plus micronutrients					

Directions for Use

Use Kelpak as directed below. Apply 1.5-4 L/ha for most crops, in 200-600 L/ha water.

The spray tank should be filled with half the required water. After shaking the container, measure the required amount of Kelpak and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution and spray. Adjust pH of spray solution to less than 7 if necessary.

Crop	Timing	Rate L/ha	Comments
Cereals	2-5 leaf stage (GS 12-15)	1.5 - 2	Increases tillering, root growth, protects against stress An optional 2nd application may be made 3-6 weeks later
Milling Wheat	Grain Milky Ripe (GS 75)	1	Apply with Hypro or Protein Plus to improve Hagberg Falling Number and protein
Oilseed Rape Legumes	As soon as spring growth is evident	2.5	Promotes root growth, protects against stress
Potatoes	During planting to promote tuber numbers	4	Apply with placed liquid fertiliser or use as an in-furrow applicator
	Foliar application	4	Apply when growth diameter is 12cm
Sugar Beet	4-8 true leaves	3	Promotes root growth, protects against stress, improves overall yield. May have a beneficial effect on sugar content
Vegetables Modules	4 true leaves 1-2 weeks after transplant	2 - 3	Repeat applications 14-21 days later to stimulate growth and improve shelf life. Maximum dose per crop is 6 L/ha
Grassland	Early spring	2	Promotes vigorous spring growth, reduces die-back in late summer, aids recovery after grazing/cutting, helps establishment of new leys Repeat mid summer or at re-tillering

Notes on Compatibility

Do not tank mix with cytokinin products as this will negate the benefit of auxin stimulation. Do not tank mix with copper based fungicides. For further information on compatibility and tank mixing, and for physical compatibility with pesticides refer to the website www.omex.co.uk

Organic Crops - Kelpomex

For growers of certified organic crops there is a specific organic approved formulation available; Kelpomex, see page 72-73 for details.

Do not tank mix with copper based fungicides. For further information on compatibility and tank mixing refer to the section on pages 88-89, and for physical compatibility with pesticides refer to the website.